The Builder.

AN

ILLUSTRATED WEEKLY MAGAZINE,

FOR THE

DRAWING-ROOM, THE STUDIO, THE OFFICE, THE WORKSHOP,
AND THE COTTAGE.

Volume the First.

LONDON:
PUBLISHING OFFICE, 2, YORK STREET, COVENT GARDEN.

1843.

B

INDEX TO VOLUME I.

Abutments, 138.
Action for Work and Labour, 420.
Address, 1.
Adel Church, 36, 207.
Aërial Steam Carriage, 94. 153, 156
Albury Church, Surrey, 435.
Alfred Life Assurance Office, 470.
Almshouses: Watermens', 216. Cambridge, 133.
Analogies of Architecture and Poetry, 213.
Ancient Seal, 31.
Angles of Brestsummers, &c., 318.
Anglo-Norman Architects, 45, 82.
Application and Intent of Various Styles of Architecture, 491, 516, 526.
Arches, strength of, 162.
Archæological Researches, 354.
Architectural College, 23.
——— Competitions, 28, 78, 128, 482, 544.
——— Draughtsmen, 274, 343, 373.
——— Libraries, 142.
——— Modelling, 189, 341.
——— Orders, 555.
——— Societies: Lichfield, 76; Oxford, 75; Yorkshire, 103, 132, 395.
——— Students, 23, 68, 119.
Architecture: Chinese, 68, 103; French, 104; Gothic, 22, 35, 125; Pugin's, 113; Wolsey, 277.
——— of Birds, 190.
Armstrong's Hydro-Electric Machine, 462.
Assessed Taxes Cases—Windows, 301, 318, 331, 343, 355, 365, 380, 403, 414, 444, 469.
Atmospheric Railway, 363.
Auction Duty, 379.

Beams Trussed by Tension, 429.
Bedford Gaol, 267.
Bentley's Porcelain Letters, 480.
Bernhardt's Stove, 103, 167.
Bielefeld's Papier Maché, 81.
Birmingham Manufactories, &c. 513.
Blackwall Railway Terminus, 435.
Blue Lias Lime, 172.
Boy's School, Plaistow, 279.
Brick and Tile Machine, 195.
Bricks and Bricklaying, 326.
Brick-carrying Machine, 298, 347.
Bridges, Wooden, 62, 299; Suspension, 174, 252.
British Architects: Wren, 126, 140; Gibbs, 203; Hawksmoor, 226; Flitcroft, 367; Chambers, 540.
——— Association Meeting, 345, 359.
——— Museum, the, 360, 380, 405, 477, 542, 543, 549.
Buckwell's Patent Scaffolding, 533, 565, 566, 567.
Building Act, New, 38, 137, 143, 159, 183, 215, 221, 232, 246, 253, 286.
Builders' Agency, 357.
———- Company, 79.
———- Drawing School, 137, 165, 333, 353.
———- Foremen, 394, 504, 550.
Building Crafts, History of, 193, 245, 295.
———- Ground (Law Case), 481.
———- Materials, 421, 436.
———- Societies, 56, 97, 190, 262, 322, 334, 507.

Cadastre of France, 419.
Cambridge Almshouses, 133.
———- Camden Society, 49, 504, 537.
Canada, 467.
Carpenters' Benevolent Institution, 114, 189, 491.
Cartoons, Exhibition of, 264, 310.
Casinos in the Parks, 350.
Cathedrals of the Rhine, 410.
Cements, 81, 198, 235, 298.
Cemeteries, 51, 104, 175.
Census (population and houses), 86.
Civil Engineers' Institution, 57.
Chadwick (Mr.) and the Surveyors, 207.
Characteristics of Pointed Architecture, 436, 445, 471.
Chartres Cathedral, 166.
Chateau D'Eu, 374.
Chatsworth, 544.
Chelmsford Gaol, 539.
Cheltenham Proprietory College, 256.
Chemical Combustion of Coal, 90.
Chimneys, 529.
Chimney-piece in the Deanery at Wells, 447.
——— Shafts, Hampton Court Palace, 35.
——— Turret, 198.
Chinese Architecture and Building, 68, 103.
——— Garden, 486.
——— Sheet Lead, 421.
——— Tools, 40.
Choice of a House, 562.
Churches and Chapels: Curry Rivel, 422; Darlington, 266; Ewyas Harrold, 513; Exhall, 71; Knowsley, Lancashire, 50; Llanbadurn, 335; Projected, at Alexandria, 50; Roman Catholic, St. George's-in-the-Fields, 227; Scotch, 267; Somerton, 231; St. John, Cirencester, 362; St. Mary's, Stafford, 278; St. Mary's Redcliffe, Bristol, 36, 106; St. Madeleine, Paris, 302; St. Marie's, Islington, 82, 99; St. Nicholas, Newcastle-on-Tyne, 229; St. Paul's, Penzance, 181; St. Peter's, Leeds, 206, St. Sepulchre's, Cambridge, 46; Tickenham, 265; Trinity House, 202; Wilton, 168.
Church Architecture, 454, 472, 516.
——— Desecration, 546.
———, Design for a, 386.
——— of England Instruction Society, Sheffield, 168.
——— Doorways, 375.
——— Extension, 521.
——— Galleries, 49.
——— Windows, 35, 183, 202, 210, 240, 264, 275, 314, 327, 375, 435, 526.
Churches under Repair, 372.
Circular Window, St. Ouen, Rouen, 35.
Civil Engineers' Institute, 57, 550.
Clendenning Testimonial, 465.
Clergyman Blacksmith, 33.
Cockerell's (Prof.) Lectures, 27, 44, 60, 80.
Colchester Town Hall, 158.
Combustion of Coal, 91.
Comparative Plans of St. Peter's and St. Paul's, 324, 491.
Conduction of Heat, 72.
Construction of Arches, 493.
Copyright of Designs Bill, 319.
Cornice Mouldings, 79, 117, 305.
Cornish Engineering, 118.
Correspondence.—New Building Act, 38, 73, 169, 199, 210, 221, 232, 246, 260, 438, 467; Sewers, 45, 281; Cemeteries, 45; Patent Iron Mason, 68; Conduction of Heat, 72; Wood Pavement, 74, 109, 121, 133, 391; Building Societies, 97; Warming and Ventilation, 116, 141, 167, 199, 200, 219, 247, 272, 283, 292, 311, 313, 347, 368, 376; Competition, 136, 187, 212, 415, 534, 546, 559; Strength of Arches, 162; Architectural Modelling, 198; Tudor Architecture, 216; The Cross, 222; Stone Masonry, 281, 323; British Museum, 360, 402, 415, 438, 463, 559; Small Street Houses, 361, 391, 438, 451; Window Taxes, 386; Measuring and Surveying, 391, 415, 523, 535; Detached Cottages, 402; Scagliola Columns, 403; Church Architecture, 414, 467; Sir J. Thornhill, 414; Norman Architecture, 415; Country Houses, 426; Swiss Cottage, 426, 523; Workmen's Cottages, 438; Farmstead Plan, 439; Dates of Architectural Styles, 451; Skew Arch, 523; Builders' Society, 523; Shooting and Fishing Lodge, 534; Cottage Plans, 559.
Cottages, Designs for, 178, 363, 387 401, 411, 455, 471, 518, 519, 521, 533.
Cottage Economy, 293.
——— Windows, 25.
Country Builders, 390, 412.
Covenant, 413.
Curry Rivel Church, 422.
Curves of Fancy, 320, 336, 353, 383, 529.

Darlington Church, 266.
David Hamilton, the Architect, 537.
Designs:—Italian Villa, 34; Church Gallery, 49; Timber-house, 58; Elizabethan Shield and Panel, 90; Elizabethan Ceiling, 102; Gatekeeper's Lodge, 119; Greenhouse, 131; Bookcase, 142; School-room Fittings, 155; Portable Cottages, 178; Gothic Staircase, 191; Chimney Turret, 198; Sunday School, 204; Wooden House, 219; Entrance Lodge, 227; Farmhouse and Farmery, 242; Font, 260; Stud-framed House, 282; Cottages for the Poor, 293; Cottage, 363; Church, 386; Small Cottages, 387, 401, 411; Proposed Sussex Memorial, 397, 398; Farmsteads, 407, 485; Parsonage House, 435; Double Cottage, 455; Spiral Staircase, 467; Swiss Cottage, 471; Summer House, 482; Small Houses, 508; Four Cottages, 518; Norman Cottage, 519; Shooting and Fishing Lodge, 521, 534; Small Cottage, 533; British Museum Façade, 543; Inlaid Marble Table, 551.
Destruction of Workmen's Tools, 67.
Destructive Fires in London, 321, 345.
Dimensions of English Bridges, 34.
Distinguished Engineers: Smeaton, 502, 514.
Donaldson's Lectures, 36.
Double Spiral Staircase, 467.
Drainage Bill, 307.
Drake's Lecture, 61, 84.
Drawing Scales, 237.
Dredge's Suspension Bridges, 174.
Duration of Life among Workmen, 502, 525.
Dwellings of the Poor, 32, 235, 270.

Earith Bridge, 267.
Ecclesiastical Commissioners, 298.
Economical Combustion and Evaporation, 479.
Egyptian Pyramids and Hindoo Temples compared, 527.
Egyptian Society, 409.
Elastic Pavement, 358.
Electricity applied to the Arts, 129.
Electro-Plating, 124.
Elizabethan Shield and Panel, 90.
——— Ceiling, 102.
——— Bookcase, 142.
Embossed Oak, 183.
Emigration, 177, 353.
Employment of Children, 42.
Encaustic Tiles, 509, 556.
Engineers, 76.
English Domestic Architecture, 431, 442, 465.
——— Ecclesiastical Architecture, 168.
Entrance Lodge, design for, 227.
Enthusiast, the, 20, 55.
Ewyas Harrold Church, Herefordshire, 515.
Exhall Church, Coventry, 71, 102.

Failure of Architectural Competition, 482.
Fair's, (Mr.), house, 118.
Farmhouse and Farmery, 242, 295.
Farmstead Plan, 407, 485.
Fine Arts, 33, 216.
——— Commission, 216, 241, 320.
Fires at Liverpool, 277.
Fire-engine Pump, 38.
Fire-grates, 59.
Fire Insurance, 250, 89, 191.
Fires, plan for prevention of, 321, 357.
Fireproof dress, 411.
Fitting of Doors, &c. 440.
Floating Island, 556.
Flint Work, 311.
Font, Portishead Church, 479.
—— Brecon, 527.
Freemasons of the Church, 23, 76, 93.
Friendly Societies, 304.
French Architects, 64, 104.
——— Architecture, 104.
——— Railways, 106.
Fresco Painting, 154, 180, 370, 373, 441.
Funeral Rites of the Greeks, 435.
Furniture (ancient and modern), 420.

Galvanized Iron, 77, 520.
Gem of the Norman Era, 277.
Geo-Chorions, 63.
Geometrical Exercises, 56, 78, 90.
Gibbs, the Architect, 203.
Gibbons, Grinling, 163.
Glass, ornamental, 308.
Glass-making, 395, 430.

Gothic Arching, 110.
——— Ceiling, 389.
——— Staircase, 191.
Grainers' Work, 342.
Granite, 477, 517, 557.
Grecian Temples, 520.
Greenhouse, 131.
Groining, 236.
Growing Taste for Architecture, 238.
Gypsography, 520.

Habitations of Industrious Classes, 65.
Hanbury Church, 39.
Health of Towns, 444.
Hinge, Wells Cathedral, 371.
Historical Notes on Architecture, 529.
Hogarth's Pictures, 375.
Horse-shoe for Wood Pavements, 492.
Hosking's (Prof.) Lecture, 37.
Houses, iron, 171; mud, 266; wooden, 58, 70, 119, 219; old English, 239.
House Painting, 529, 557.
Houses of Parliament, 160, 206, 362, 412.
House Repairs, 414.
Hungerford Suspension Bridge, 505.
Huntingdon Literary Institution, 95, 115.
Hutchison's Manual Saw Frames, 534.
Hydro-Electric Machine, 462.

Important Case for Builders, 489.
Infant Orphan Asylum, 459.
Inigo Jones, Mill erected by, 255.
Institute of British Architects, 39, 70, 101, 312, 558.
Institution of Civil Engineers, 57, 550.
Interior Arrangements of Domestic Buildings, 423.
Iron Beacon for the Goodwin Sands, 450.
—— Mason, Patent, 54, 68.
—— Palace of King Eyambo, 28, 170.
Islington New Catholic Church, 98.
Italian Villa, 34.

Jucke's Patent Furnace, 63.

Keeping a House in Repair, 414.
Keene's Marble Cement, 253.
Knife-Cleaner, 75.
King's College Chapel, Cambridge, 530.
Kingston Church, Hants, 395.

Labourers's Cottages, 43.
Lady Owen's School, 338.
Lake of Mœris, 529.
Landlord and Tenant, 348, 385.
Law Cases, 228, 396, 413, 469, 481, 489.
Leamington Church, 543, 558.
Lectures on Architecture and Antiquities, 280, 303, 317, 339, 448, 460, 483, 494.
Leeds New Prison, 166.
Lias Lime, 546.
Life Assurance, 59, 66, 258, 297, 309.
Lightning Conductors, 122, 334, 367.
Limestone, 186, 241.
Lime Manufacture, new process, 205.
Lincoln's Inn New Hall, 39.
Lichfield Architectural Society, 76.
Literature: Bardwell's Notes on Church Architecture, 4, 47; Pritchard's English Patents, 5, 116; Loudon's Supplement to Encyclopædia of Cottage Architecture, 22; Martin Chuzzlewit, 26; Donaldson's Lectures, 36; Hosking's Lecture, 37; Drake's Lecture, 46; Metropolitan Building Act, 48; Pugin's Present State of Ecclesiastical Architecture in England, 69, 98; Gutch's Literary and Scientific Register, 69; Lord Manners' Plea for National Holidays, 107; Guide to Hayling Island, 108; the Gardener's Gazette, 108; Handbooks to Hampton Court Palace, 116; Quarterly Journal of Meteorology, 116; Lewin's Historical Account of the Churches of Lincoln, 140; Archæological Magazine, 209; Students' Guide to the Practice of Measuring Artificers' Work, 217; Handbook for Life Assurers, 259; Projection and Artistic Drawing, 276; Suggestions for Improvement of Towns and Houses, 276; History of Ancient America, 291; The Rhine, 291; Quin's Steam Voyages, 306; De l'Art en Allemagne, 316; Villa Rustica, 367; Aunt Elinor's Lectures on Architecture, 400; Principles and Practice of Land Engineering, &c., 413; Weale's Quarterly Papers on Architecture, 445; Ecclesiastical Architecture, 473; Church of St. John, Eastover, 473; Loudon's Gardener's Magazine, 496; Companion to the Almanac, 1844, 532; Wood Pavement, its Origin and Progress, 532; Building Societies, 532.
Lithotint Process, 66.
Liverpool Docks, 492.
Looking Glasses, 294.
Loudon, Mr., 552.
Lych-gate, 314.

Manchester Collegiate Church, 554.
Margary's Patent for Preserving Timber, 320.
Marquetry, 87, 431, 450.
Martin's Cement, 198.
Masons' Benevolent Institution, 405.
——— Marks, 365, 424.
——— Provident Institution, 382.
Masonry work, 323.
Master Carpenters' Society, 181, 183.
Materials used in Architecture, 204.
Measuring Inaccessible Distances, 474, 481.
Mechanical Arts in Persia, 499.
——— Trussing of Buildings, 122.
Memorials of the Dead, 493.
Merchants' House, Glasgow, 383.
Metal Works, 19.
Metallic Cement, 406.
——— Shutters, 67.
Meteorological Society, 87, 132, 182.
Metropolitan Architecture, 432.
——— Fountains, 163.
——— Improvements, 45.
——— Sea-water Baths, 92.
——— Survey, 120, 129.
Milan Public Buildings, 108.
Military Chapel, St. James, 410.
Models, 317.
Modern Buildings, 382.
Monumental Sculpture, 299.
Morewood's Galvanized Tin Plates, 537.
Mosaic Manufacture, 348.
Mouldings for Cornices, 79, 117.
Moving Houses, 556.
Moffatt's (Mr.) Sea-water Baths in London, 92.
Motley's (Mr.) Suspension Bridge, 252.
Museum, St. Petersburgh, 379.

National Education, 201.
——— Monuments, 324.
——— Scotch Church, Bow-street, 267.
Naval School, Royal, 218.
Necropolis Company, 407.
Nelson Column, 446; Scaffolding, 522.
Nene Estuary Embankment, 505.
New Churches, 437, 466, 480, 504, 508, 517, 525, 527, 541, 558.
—— Light, 469.
—— Motive Power, 433, 452.
Norman Architecture, 377.
——— Porch, 140.
——— Tower, Bury St. Edmunds, 553.
Notes of an Inquirer: Pugin's Architecture, 113.
Nottingham Churches, 518.

Old English and Modern Furniture, 420.
Origin and Progress of Church Architecture, 454, 472.
Ornamental Uses of Brick, &c., 447.
Oropholithe, 250.
Oxford Architectural Society, 49, 75.

Palladio, 256.
Panclibanon, Interior View, 254.
Panel Puzzle, 522, 539.
Parsonage House Design, 435.
Paper preserved from damp, &c., 105.
Paper-hanging Patterns, 75.
Papier Maché Manufactory, 81.
Parisian Improvements, 106.
Passing Thoughts, 325.
Patents, New, 117, 157, 224, 296, 331, 344, 355, 380, 391, 403, 426, 510.
Philosophy of Architecture, 176, 234.
Piscina, Peterborough Cathedral, 481.
Plan for Drawing Cornices, 305.
Plane Metallic Surfaces, 371.
Plank Roads, 403, 433.
Plaster Work, 131.
Pointed Arch, the, 505.
——— Architecture, 436, 445, 471.
Polytechnic Institution, 72, 130.
Porches, 207.
Porcelain Letters, 480.
Portable Bookstand, 56.
——— Cottages, 178.
——— Music-stand, 128.
Porticoes of St. Martin's-in-the-Fields, and St. George, Hanover-square, compared, 523.
Potato Paint, 420.
Preservation of Timber, 158, 268, 320.
Properties of Triangles, 134.
Prosser's Wooden Railway, 490.
Problems, 27, 42, 56, 66, 78, 90.
Public Baths, 513, 550.
——— Buildings of Milan, 108.
——— Health, 429.
——— Improvements, 196.
——— Works, 466, 480, 508, 527, 541, 558.

Railways, 466, 474, 481, 508, 546, 558.
Railway Hotel, Colchester, 350.
Railways in France, 106.
Recent Public Buildings, 437, 470.
Rectory-house, 216.
Relative Proportions of St. Paul's and St. Peter's, 491
Reward and Service, 153.
Roe's Anti-friction Pump, 255.
Roman Catholic Church, St. George's-road, 227.
——— Villa described, 564.
Rotherham Church, 383.
Roofing, 269.
Round Church, Cambridge, 46, 434.
Royal Academy, the, 128, 538.
——— Exchange, 71, 447.
Rudston Monolith, 303.

Savoy Chapel, 438.
Saw, the, 395.
Scaffolding: Nelson Column, 522; Buckwell's, 533.
School Building, 553.
——— for Sons of the Clergy, 83.
Schools, 480, 517.
Sculpture and Architecture, 87.
Seeking Employment, 83.
Sermon, our, 3, 31.
Sewers, 281, 444.
Sir J. Soane, 43.
Skew Arches, 413, 463, 497, 544, 545, 547.
Shooting Lodge, design for, 522.
Shoreham Church, 39.
Shutters, 439.
Silvering Cast Iron, 424.
Sleigh's Sea Barrier, 171.
Small Street Houses, 361, 391, 419, 423, 508.
Smeaton, the Engineer, 502.
Smith's Improved Steam Generator, 479.
Smoke Nuisance, the, 346, 364, 378, 408.
Society of Arts, 533, 538.
Somerton Church, 231.
——— Market Cross, 326.
South-Eastern Railway, 251.
Spalding Almshouses, 111, 159.
Sphinx of Ghizeh, 495.
St. Andrew's Church, 154.
St. George's Chapel, Windsor, 387.
St. Madeleine, Paris, 303.
St. Mary's, Redcliffe, Bristol, 106.
——— Stafford, 278.
St. Peter's, Rome, 194, 273.
St. Paul's Chapel, Penzance, 181.
St. Peter's Church, Leeds, 206.
St. Nicholas, Newcastle-on-Tyne, 229.
Staffordshire Iron Trade, 285.
Stained Glass, 38.
Staircase, double spiral, 467.
Staples Inn Chambers, 171.
Statistics, 83.
Street Paving and Cleansing, 418, 505.
Street-sweeping Machine, 21.
Stone-cutting Machine, 41.
Stonehenge, 303.
Stuccos, 298, 427.
Stucco Paint, 323, 333.
Sub-Sewers as an Auxiliary to the present Sewers, 444.
Substitute for Glass in Greenhouses, 541.
Summer House, design for, 482.
Sunday School, Church Town, 204.
Supply of Water to London, 501.
——— New York, 25, 120, 129.
Survey of London, 167, 207.
Suspension Roof, 20.
Sussex Memorial, 263, 393, 453.
Swiss Cottage, design for, 471.

Temple of Latopolis, 483.
——— at Tentyra, 494.
Tell-Tale Apparatus, 395.
Thames Tunnel, 443.
Thornhill, Sir J., 274.
Timber Houses, 58, 119, 219.
Travellers' Club, the, 361.
Treatment of Workpeople, 4.
Trentham Church, Staffordshire, 433.
Triangular Drawing Instruments, 282.
Triangles, properties of, 134.
Triumphal Arches, 531.
Tudor Architecture, 227, 245, 259.
Tumuli in Cleveland, 529.
Tunnels, 241.
Tussaud's Exhibition of Wax Figures, 268.

Use and Occupation (Law Case) 396.

Valencia Slate, 480.
Vanbrugh, J., 173.
Varnishing, 324, 352.
Versailles Palace, 250.
Victoria Building Company, 257.

Walhalla, the, 228.
Warming and Ventilation, 116, 283, 311, 313, 347, 349, 366, 376, 478.
Washington Memorial, 501, 506.
Water passing through leaden pipes, 69.
Watermen's Almshouses, 216.
Water Pressure Engine, 358.
Weigh Bridge, 385.
Wedge, the, 104.
Wesleyan Centenary Hall, 437, 446.
Westminster Bridge, 226, 477.
William of Wykeham, 2.
Windows, 428.
Window Tax, 386.
Wood Pavement, 50, 58, 74, 109, 127, 382, 384, 403.
Wooden Bridges, 62.
——— Railways, 474, 490.
Workhouses, 525, 537.
Working Classes, 32, 263.
Worth's Rotary Pump, 185.

Xanthian Marbles, 224.

Yorkshire Architectural Society, 103, 132, 395.